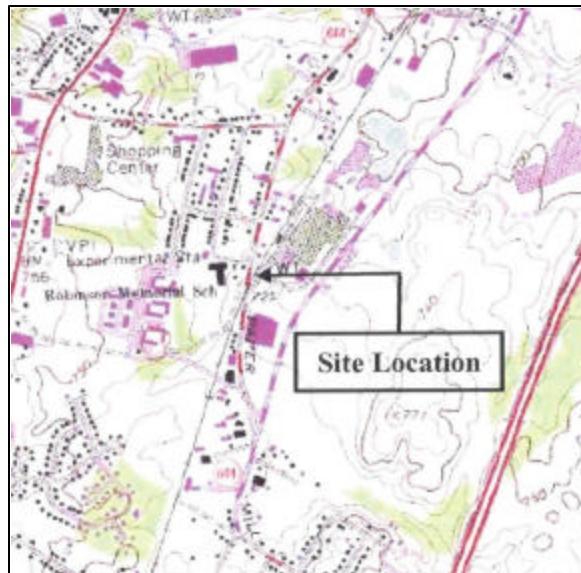


# **Region 3 GPRA 2005 Baseline RCRA Corrective Action Facility** **FEDERAL-MOGUL CORPORATION**

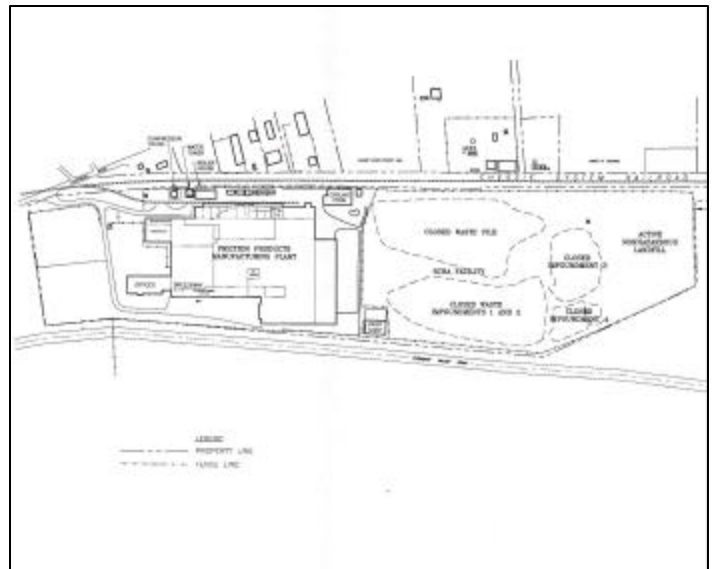
**2410 Papermill Road  
Winchester, VA 22601  
Congressional District 9  
EPA ID No.: VAD003070976  
Last Updated: January 4, 2008**

**Topographic Site Map**



Winchester, VA USGS Quadrangle (Photorevised 1987),  
Scale = 1 inch = 1,250 feet (approx.)

**Site Plan**



Scale = 1 inch = 900 feet (approx.)

## **Current RCRA CA Activities**

RCRA Corrective Action (CA) activities at the Federal-Mogul Corporation facility are being conducted under the direction of the Virginia Department of Environmental Quality (DEQ). The CA investigations and any necessary clean up activities are being implemented in accordance with the conditions and requirements of the Hazardous Waste Management Post-Closure Permit (Permit).

The Virginia Department of Environmental Quality (DEQ) issued a renewal of the facility's Hazardous Waste Management Post-Closure Permit on August 20, 2006. The above Permit includes requirements for post-closure care and monitoring applicable to the former impoundment, which was closed as a hazardous waste landfill, and includes facility (site-wide) corrective action requirements.

An RFI Work Plan was submitted, as required by the Permit, on November 28, 2006. The DEQ provided comments in May 2006. Final approval of the Phase I RFI Work Plan is expected during the first quarter 2008.

An Interim Measures Work Plan and Interim Measures Design Plan for AOC-1 were submitted to DEQ on October 11, 2006 and March 30, 2007, respectively. The Interim Measures Work Plan and the Interim Measures Design Plan were approved by the DEQ on December 20, 2007.

## Site Description

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Federal-Mogul Corporation (Federal-Mogul) consists of an approximately 400,000 square-foot break-lining manufacturing facility consisting of a building and several smaller structures on a 40-acre site, located in Winchester, Virginia. The plant is bounded by CSX Railroad property on the west and Pleasant Valley Road on the east.

The facility was constructed in 1947 on farmland. Abex Corporation owned and operated the facility from 1947 until 1988. Pneumo-Abex Corporation owned and operated the facility from 1988 until 1994. Wagner Electric Corporation purchased the facility in November 1994, and occupied the facility until October 1998, when Federal-Mogul Cooperation purchased Cooper Automotive which included Wagner Electric.

Break pads and break components have been manufactured at the facility since 1947. Until 1988, lead and asbestos was used in the manufacturing process. Hazardous waste from the process was managed in surface impoundments and a waste pile, which were closed in the 1980's pursuant to RCRA requirements and which are subject to the post-closure care requirements set forth in the current RCRA Post-Closure Permit. The closed RCRA surface impoundments and waste pile were closed as landfills and are located on the northern portion of the Federal-Mogul property with an active non-hazardous landfill. Vegetation covers the ground surface and a fence encloses the RCRA units.

## RCRA CA Milestones

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To date, the following Resource Conservation and Recovery Act (RCRA) Corrective Action (CA) milestones have been completed at this facility:

- On October 29, 1985 facility filed a hazardous waste permit application.
- On September 27, 1995, the original Hazardous Waste Management Post-Closure Permit became effective until September 27, 2005.
- In 1995 a Phase II was prepared for Cooper Industries on behalf of Wagner Electric to establish environmental conditions at the site following Wagner Electric's purchase of the site from Pneumo Abex Corporation in November 1994.

- On October 11, 2006 an Interim Measures Work Plan: AOC-1 was submitted to address the presence of trichloroethylene (TCE) in groundwater in the localized area around Apex monitoring well MW-4, adjacent to the paved area near the southeast corner of the manufacturing facility. This Work Plan also indicated the presence of another area of concern, AOC-2, buried black fibrous waste material containing lead and asbestos, in locations in the vicinity of, but outside of, the closed RCRA landfill units at the facility.
- On November 28, 2006 a RCRA Facility Investigation Phase I Plan was submitted to address areas of concern AOC-1 and AOC-2.
- On January 4, 2007 a Notice of Deficiency was issued for the RCRA Facility Investigation Phase I Plan.
- On March 30, 2007 an Interim Measures Design Program: AOC-1 was submitted to detail the design of the proposed interim measures at AOC-1.
- On December 20, 2007 the Interim Measures Work Plan and Interim Measures Design Plan for AOC-1 received the DEQ's conditional approval pending final DEQ approval of the Phase I RFI Work Plan.

Details and supporting documentation can be obtained by reviewing the files at the DEQ's Central Office or by contacting the project managers identified in this factsheet.

## Environmental Indicator Status

Under the Government Performance and Results Act (GPRA), the Environmental Protection Agency (EPA) set national goals to address high priority RCRA CA facilities by the year 2008. EPA evaluates two key indicators for each facility: *Current Human Exposures Under Control* and *Migration of Contaminated Groundwater Under Control*. This facility is one of EPA Region 3's high priority facilities and falls under the GPRA initiative.

The current Environmental Indicator Status for this facility is:

- *Human Exposures Controlled Determination:* **YE:** Current human exposures under control.
- *Release to Groundwater Controlled Determination:* **YE:** Migration of contaminated groundwater under control.

## Contaminants

The primary constituent of concern is TCE in groundwater at AOC-1. Additional constituents of concern include lead and asbestos in soil at AOC-2.

## Institutional Controls

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The Virginia Department of Environmental Quality (DEQ) issued a renewal of the facility's Hazardous Waste Management Post-Closure Permit on August 20, 2006. The above Permit includes facility post-closure and corrective action (CA) requirements applicable to the former impoundment, which was closed as a hazardous waste landfill and includes site-wide CA requirements. Post-closure groundwater monitoring is required at the site for the regulated units. Vegetation covers the ground surface and a fence encloses the RCRA units. Federal-Mogul does not anticipate the need to treat off-site groundwater.

A Deed Notice is in place identifying the location of the former impoundment closed with waste in place as a hazardous waste landfill.

## Community Involvement

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A copy of all documents relating to the RCRA CA program at this facility are available for viewing at DEQ's Central Office located at 629 East Main Street in Richmond, Virginia. Additionally, public review can be conducted at:

Handley Regional Library  
100 W. Piccadilly Street  
Winchester, VA 22601  
Phone: (540) 662-9041

The documents may be reviewed during normal library hours, Monday-Wednesday: 10:00 AM – 8:00 PM; Thursday-Saturday: 10:00 AM – 5:00 PM; and Sundays in October, November, and January through April: 1:00 PM – 5:00 PM.

## Government Contacts

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The Commonwealth of Virginia has the lead authority for this project. Please contact the DEQ project manager listed below for details on this project or the contents of this factsheet.

### **DEQ Project Manager**

Heather Lloyd  
Environmental Specialist II  
Virginia Department of Environmental Quality  
P.O. Box 1105  
Richmond, VA 23240  
Phone: (804) 698-4124  
Email: [helloyd@deq.virginia.gov](mailto:helloyd@deq.virginia.gov)

**EPA Project Manager**

Mr. Mike Jacobi – 3WC23  
USEPA - Region 3  
1650 Arch Street  
Philadelphia, PA 19103-2029  
Phone: (215) 814-3435  
Email: [jacobi.mike@epa.gov](mailto:jacobi.mike@epa.gov)

For more information about EPA's CA program, including Environmental Indicators, please visit EPA's website at: [www.epa.gov/reg3wcmd/correctiveaction.htm](http://www.epa.gov/reg3wcmd/correctiveaction.htm)

## **Facility Contact**

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The facility contact, as listed in the RCRA Permit, is:

Mr. T. Eugene Brunk  
Plant Manager  
Federal-Mogul Corporation  
2410 Papermill Road  
Winchester, VA 22601  
Phone: (540) 662-3831  
Email:

## **Fact Sheet Update**

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The previous fact sheet was updated July 2007. The next fact sheet update is scheduled for July, 2008. Previous fact sheets may be obtained through the above DEQ contact.